



Perchlorate Stakeholders Forum

Sponsored by the

Interagency Perchlorate Steering Committee

August 27, 1998 - Phoenix, Arizona

Arizona State University - West, La Sala Rooms B and C,
University Center Building, 4701 West Thunderbird

Agenda

7:30 - 8:30 a.m.

Check-in and walk-in registration

8:30 - 8:40 a.m.

Administrative Announcements

Catherine McCracken, Superfund Division, USEPA Region 9, San Francisco, CA

8:40 - 8:45 a.m.

Welcome

Glenn Irvin, Vice Provost, Arizona State University-West, Phoenix, AZ

8:45 - 9:15 a.m.

Opening Remarks

John Lewis, Executive Director, Inter Tribal Council of Arizona, Phoenix, AZ

Russell Rhoades, Director, Arizona Department of Environmental Quality, Phoenix, AZ

Keith Takata, Director, Superfund Division, United States Environmental Protection Agency Region 9, San Francisco, CA

9:15 a.m. - 10:00 a.m.

SESSION 1 - Background

Overview and History of the Perchlorate Problem

Time-line for Ongoing Activities on Perchlorate

Lt. Col. Dan Rogers, U.S. Air Force, Wright Patterson Air Force Base, OH

Perchlorate Occurrence

Kevin Mayer, Superfund Division, USEPA Region 9, San Francisco, CA

Dale Ohnmeiss, Program Development and Outreach Unit, Arizona Department of Environmental Quality, Phoenix, AZ

10:00 a.m. - 10:15 a.m.

BREAK

10:15 a.m. - 11:45 a.m.

SESSION 2 - Perchlorate Health Effects/Toxicity

Testing Strategy and Revision of Reference Dose/Risk Assessment

Annie Jarabek, National Center for Environmental Assessment, USEPA, Research Triangle Park, NC

Status of Studies

David Mattie, U.S. Air Force Research Lab, Wright Patterson Air Force Base, OH

External Peer Review of Risk Assessment

Peter Grevatt, Office of Solid Waste and Emergency Response, USEPA, Washington, DC

Update – Office of Water Regulatory and Policy Activities
Mike Osinski, Office of Water, USEPA, Washington, DC

11:45 a.m. - 12:15 p.m. Facilitated Discussion

Facilitator: Catherine McCracken, Superfund Division, USEPA Region 9, San Francisco, CA

12:15 p.m. - 1:15 p.m. LUNCH

1:15 p.m. - 2:00 p.m. SESSION 3 -Analytical Methods

Chemistry of Perchlorate/Background on Analytical Techniques

Analysis of Perchlorate by Ion Chromatography (IC)

Interlaboratory Study on the Performance of IC Methods

Anion Interference Study/Stability Study

Effects of Methods Parameters

David Tsui, U.S. Air Force, Wright Patterson Air Force Base, OH

2:00 p.m. - 2:15 p.m. BREAK

2:15 p.m. - 3:00 p.m. SESSION 4 - Ecological Impacts/Transport and Transformation

Introduction/Background/Transport and Transformation

Historical Studies/Applicability

Proposed Activities - Data Gaps/Future Direction

Cornell Long, Human Systems Center, Brooks Air Force Base, TX

Ron Porter, Human Systems Center, Brooks Air Force Base, TX

3:00 p.m. - 3:30 p.m. Facilitated Discussion

Facilitator: Vicky Semones, Superfund Division, USEPA Region 9, San Francisco, CA

3:30 p.m. - 3:45 p.m. BREAK

3:45 p.m. - 4:30 p.m. SESSION 5 - Treatment Technology

Background/Introduction to Past and Current Treatment Studies

Biological Treatment of Wastewater

Biological Treatment of Low Level Perchlorate Contamination

Perchlorate Treatment by Ion Exchange

Perchlorate Treatment by Enhanced Coagulation and Advanced Oxidation Membranes

Future Treatment Studies

Jim Hurley, U.S. Air Force Research Lab, Tyndall Air Force Base, FL

4:30 p.m. - 5:00 p.m. Facilitated Discussion

Facilitator: Vicky Semones, Superfund Division, USEPA Region 9, San Francisco, CA

5:00 p.m. - 5:30 p.m. Session 6 - Summary & Closing

Wrap-up & Next Steps